

西藏树萝卜属新分类群

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NEW TAXA OF THE GENUS *AGAPETES* D. DON EX G. DON FROM XIZANG

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Key words *Agapetes*; *A. ciliata*; *A. medogensis*; *A. xizangensis*; *A. leiocarpa*; *A. leucocarpa*; *A. camelliifolia*

关键词 树萝卜属; 纤毛叶树萝卜; 墨脱树萝卜; 西藏树萝卜; 光果树萝卜; 白果树萝卜; 茶叶树萝卜

组 1. 树萝卜组 Sect. *Agapetes*

系 1. 粗壮系 Ser. *Robustae* Airy-Shaw

1. 纤毛叶树萝卜 新种 图 1:1—6

Agapetes ciliata S. H. Huang, sp. nov.

Species *A. sikkimensis* Airy-Shaw affinis, sed foliis suboppositis vel alternis, majoribus, floribus omnino glanduloso-pubescentibus vel glanduloso-hirsutis differt.

Frutex epiphyticus, 0.5—1.5 m altus; rami robusti, teretes, usque ad 0.9—1 cm diam., dense nigro-brunneo-glanduloso-hirsuti, juventute leviter angulati, dense fulvo-glanduloso-hirsuti. Folia subopposita vel alterna, coriacea, oblongo-elliptica, 15—22 cm longa, 5.5—7.5 cm lata, apice acuta, basi attenuata vel cuneata, juventute leviter auriculata, margine subintegra, dense glanduloso-setosa, supra viridia, glabra, nervis impressis, subtus flavo-viridia, nervis prominentibus, breviter hirsuta vel secus nervos glanduloso-setosa; petiolus brevissimus, c. 3 mm longus, glanduloso-hirsutus vel subnullus. Inflorescentiae subfasciculatae vel corymbiformes, 6—9-florae; pedunculi abbreviati vel subnulli, rhachidibus 0.5 cm longis; pedicelli 1.7—2.5 cm longi, 1—1.5 mm diam., apice in clavatos 3 mm latos expansi, dense glanduloso-pubescentes, basi 2-bracteolati; bracteolae subulatae, 2—3 mm longae, c. 1 mm latae, extus dense puberulae; receptaculum 3—5 mm longum, 3 mm diam., pilis rubro-brunneis applanatis glandulosis dense tectum; calyx 7 mm longus, segmentis lanceolatis, rubris, 4 mm longis, 2 mm latis, acutis, extus rubro-brunneo-glanduloso-pubescentibus; corolla cylindrica, 2.5 cm longa, leviter 5-angulata, c. 1 cm diam., supra medium leviter ampliata, rubra, V-formiter purpureo-striata, extus glanduloso-pubescentibus, lobis deltoideis 2

mm longis basi 2 mm latis viridulis; filamenta applanata, 2.5 mm longa, superne margine pilosa; thecae 5 mm longae, dense papillosae, basi brevissime caudatae, rostris 16 mm longis dorso ecalcaratis; discus annulatus, c. 0.5 mm altus; stylus filiformis, 2.5 cm longus, glaber, apice leviter incrassatus; stigma truncatum. Fructus ellipsoideus, rubro-brunneus, 6.5 mm longus, 5 mm latus, dense brunneo-glanduloso-hirsutus, calycis segmentis persistentibus.

Xizang (西藏): Medog (墨脱), Beibeng (背崩区), Xirang ad Deyang (稀让至德阳), alt. 1600—2200m, 26 Apr. 1984, B. S. Li et S. Z. Cheng (李渤生、程树志) 04699 (Typus fl., PE), 03601, 04234, 04310.

系 2. 棱萼系 Ser. Pteryganthae Airy-Shaw

2. 墨脱树萝卜 新种 图 1: 7—9

Agapetes medogensis S. H. Huang, sp. nov.

Species *A. listeri* (King ex C. B. Clarke) Sleum. affinis, sed receptaculis 2 mm latis alatis, calycis segmentis deltoideo-lanceolatis 10 mm longis basi 4 mm latis, corolla fulvo-rubra calycem aequante vel eo longiore, lobis lineari-lanceolatis 4 mm longis differt.

Frutex epiphyticus, 30—40 cm altus; rami vetusti teretes, griseo-nigri, lenticellatis, c. 3 mm diam., juveniles angulati, fulvi, glabri. Folia alterna, coriacea, oblonga vel obovato-oblonga, 3.5—7.5 cm longa, 1.2—3.2 cm lata, apice acuta, basi cuneata vel obtusa, margine subintegra, utrinque glabra, supra viridia, conspicue reticulata, costa et nervis lateralibus prominentibus, subtus viridula, costa prominente, nervis lateralibus prominulis; petiolus 1—2 mm longus, c. 2 mm diam., glaber. Inflorescentiae corymbiformes, 1—3-florae; pedunculus brevis, 4—5 mm longus, subglaber; pedicelli 8 mm longi, dense puberuli, sparse glandulosi, ad apicem sensim leviter incrassati, basi bracteolis 2 ovato-deltoideis 0.2 mm longis rubris praediti; receptaculum 4—5 mm longum, quinque-alatum, alis 2 mm latis, extus sparse pilosum; calycis segmenta deltoideo-lanceolata, 10 mm longa, 4 mm lata, rubra, sparse puberula; corolla cylindrica, 5-angulata, 1.5 cm longa, fulvo-rubra, transversaliter coccineo-striata, glabra, lobis lineari-lanceolatis 4 mm longis 1 mm latis; filamenta brevissima, c. 1 mm longa, applanata, glabra; thecae 3.5 mm longae, papillosae, basi brevissime caudatae, rostris 9 mm longis dorso ecalcaratis; discus annulatus, c. 0.2 mm altus, margine repandus; stylus 14 mm longus, glaber; stigma truncatum. Fructus ellipsoideus, 5-alatus, alis 2 mm latis, fulvo-ruber, 1 cm longus, 0.8 cm latus, calyce persistente aucto, rubro 1.7 cm longo, segmentis 1.3 cm longis 6 mm latis.

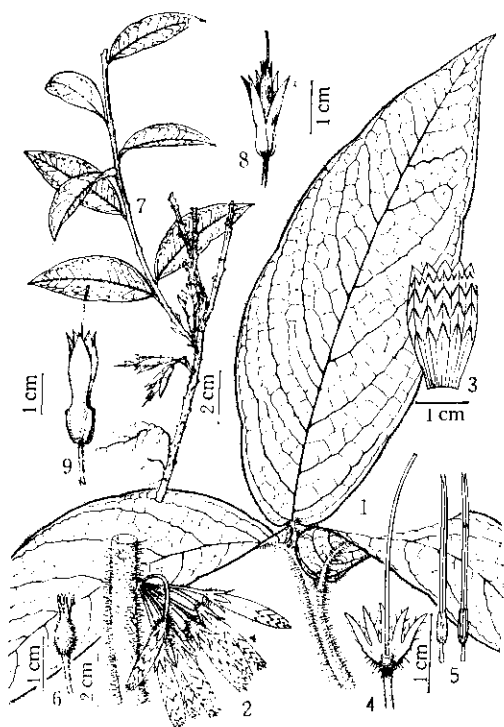
Xizang (西藏): Medog (墨脱), Beibeng (背崩区), Xirang ad Deyang (稀让至德阳), alt. 1700—2200 m, 12 Jan. 1983, B. S. Li et S. Z. Cheng (李渤生、程树志) 02499 (Typus fl., PE), 04261.

系 3. 纤细系 Ser. Graciles Airy-Shaw

3. 西藏树萝卜 新种 图 2: 1—4

Agapetes xizangensis S. H. Huang, sp. nov.

Species *A. neriiifoliae* (King et Prain) Airy-Shaw affinis, sed pedicellis apice non cu-

图1 1—6. 纤毛叶树萝卜 *Agapetes ciliata*

1. 叶枝 leafy branch; 2. 花枝 flowering branch; 3. 花冠纵剖 vertical section of corolla; 4. 雌蕊及花萼 pistil and calyx; 5. 雄蕊正背面观(放大) ventral and dorsal views of stamen; 6. 果(放大) fruit (enlarged). 7—9. 墨脱树萝卜 *A. medogensis* 7. 花枝 flowering branch; 8. 花(放大) flower (enlarged); 9. 果(放大) fruit (enlarged)。(李锡畴绘)

图2 1—4. 西藏树萝卜 *A. xizangensis*

1. 花枝 flowering branch; 2. 花冠纵剖 vertical section of corolla; 3. 雄蕊正侧面观(放大) ventral and side views of stamen (enlarged); 4. 雌蕊及花萼(放大) pistil and calyx (enlarged). 5—7. 白果树萝卜 *A. leucocarpa* 5. 果枝 fruiting branch; 6. 叶背面 lower surface of leaf; 7. 果(放大) fruit (enlarged)。(肖溶绘)

piformiter expansis, calycibus ad partes duas tertias partitis; ab *A. pseudo-griffithii* Airy-Shaw foliis majoribus apice acuminatis nec caudatis, corolla brevior 1.7 cm longa differt.

Frutex epiphyticus vel arbor, 1—2 (—15) m altus; rami robusti, 0.8 cm diam., cinereo-brunnei, glabri, juveniles fulvo-brunnei. Folia alterna, coriacea, oblongo-lanceolata, (13—)16.5—18.7 cm longa, 3—4.5 cm lata, apice acuminata, basi late cuneata vel rotundata, margine subintegra vel paucè dentata, leviter revoluta, utrinque glabra, supra viridia, costa prominula, leviter reticulata, subtus pallidiora, costa et nervis lateralibus valde prominentibus, conspicue reticulata; petiolus robustus, 1 cm longus, 2 mm diam., angulatus, tortus. Inflorescentiae corymbiformes, 6—13-florae; pedunculus 1.5—1.8 cm longus, glaber; pedicelli 2—2.5 (—2.7) cm longi, carnosì, c. 1—1.5 mm diam., apice sensim expansi, 2—5 mm diam., rubri, basi bracteolis 2 deltoideo-subulatis 0.5—1 mm longis praediti; receptaculum 2.5 mm longum, 3 mm latum, glabrum; calyx ruber, 1 cm longus, 4—5—

nervis, usque ad partes duas tertias partitus, segmentis ovato-lanceolatis 6 mm longis basi 4 mm latis glabris; corolla cylindrica, carnosa, 1.7 cm longa, 5-angulata, glabra, caeruleo-purpurea, transversaliter atropurpureo-striata, lobis deltoideis 1 mm longis 3 mm latis margine crassis; filamenta applanata, 3 mm longa, 2 mm lata, supra sparse pilosula; thecae 3 mm longae, 1 mm latae, minute papillosae, basi breviter caudatae, rostris 8 mm longis dorso ecalcaratis; discus annulatus, 0.5 mm altus, margine repandus; stylus teres, leviter angulatus, 16 mm longus, glaber; stygma discoideum, minute papillosum.

Xizang (西藏): Medog (墨脱), Beibeng (背崩区), alt. 1500—1600—(2100) m, 10 Mar. 1983, B. S. Li et S. Z. Cheng (李渤生, 程树志) 02889 (Typus fl., PE), arbor altus 15 m; 04286、04698、04818, frutex.

4. 光果树萝卜 新种 图 3: 1—2

Agapetes leiocarpa S. H. Huang, sp. nov.

Species *A. forrestii* W. E. Evans affinis, sed foliis anguste lanceolatis 3.5—5.5 cm longis 7—9 mm latis, pedicellis 2 cm longis apice in cupulam expansis differt.

Frutex epiphyticus, c. 0.8 m altus; rami teretes, 1.5—2 mm diam., glabri, juventute rubri, puberuli. Folia coriacea, anguste lanceolata, 3.5—5.5 cm longa, 7—9 mm lata, apice acuminata, basi cuneata, margine pauce dentata, utrinque glabra, supra viridia, costa prominente, nervis lateralibus obscuris, subtus pallidiora, costa prominula, nervis lateralibus obscuris; petiolus brevis, 1—2 mm longus, glaber. Inflorescentiae axillares, corymbiformes, 4—6-florae, glabrae; pedunculus 8 mm longus; bracteolae deltoideo-subulatae, 1 mm longae; flores ignoti. Fructus globosus, 4—5 mm diam., glaber; pedicelli fructiferi 2 cm longi, apice in cupulam 4.5 mm diam. 1 mm altam expansi, glabri; calyces persistentes, segmentis anguste-deltoideis 5—6 mm longis basi 0.5 mm latis glabris.

Xizang (西藏): Medog (墨脱), Beibeng (背崩区), Xirang (稀让), alt. 1600 m, 26 Apr. 1983, B. S. Li et S. Z. Cheng (李渤生, 程树志) 04316 (Typus fr., PE).

5. 白果树萝卜 新种 图 2: 5—7

Agapetes leucocarpa S. H. Huang, sp. nov.

Species *A. forrestii* W. E. Evans affinis, sed fructibus albis, pedicellis carnosus rubris valde differt.

Frutex epiphyticus; rami graciles, teretes, penduli, 1.5—2 mm diam., fusci, glabri. Folia alterna, coriacea, elliptica, 3—5 cm longa, 1.1—2 cm lata, apice acuminata vel caudata, basi late cuneata vel rotundata, margine integra, subtus margine pallidiora 2 mm lato praedita, utrinque glabra, supra viridia, costa prominente, nervis lateralibus impressis, subtus in sicco interdum fuscis, costa prominente, nervis lateralibus obscuris; petiolus 4—5 mm longus, glaber. Inflorescentiae corymbiformes, glabri, 1—2-florae; pedunculus brevis, c. 1 cm longus, gracilis, glaber; flores ignoti. Fructus globosus, albus, 4—5 mm diam.; pedicelli fructiferi carnosus, rubri, 7—8 mm longi, 1—2 mm diam., apice clavati, 2.5 mm diam., calycis segmentis persistentibus deltoideis 3 mm longis.

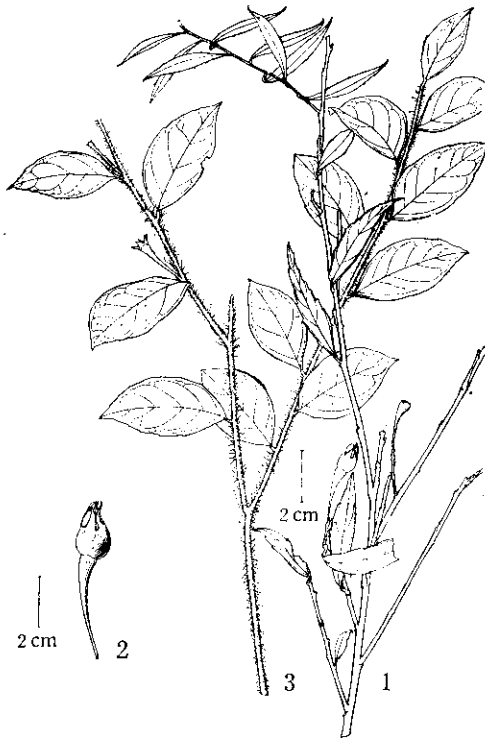


图3 光果树萝卜 *A. leiocarpa*

1. 果枝 fruiting branch; 2. 果(放大) fruit(enlarged); 3. 茶叶树萝卜 *A. camelliifolia* fruiting branch. (吴锡麟绘)

Xizang (西藏): Medog (墨脱), Bomi ad Nage (波密至那格), 23 Jun. 1983, B. S. Li et S. Z. Cheng (李渤生, 程树志) 05166 (Typus fr., PE).

6. 茶叶树萝卜 新种 图3: 3

Agapetes camelliifolia S. H. Huang, sp. nov.

Species *A. leucocarpae* S. H. Huang affinis, sed ramis dense nigro-brunneo-setosis, foliis apice acutis nec acuminatis vel caudatis margine superne paucе dentatis, fructibus solitariis differt.

Frutex epiphyticus, c. 30 cm altus; rami graciles, teretes, c. 2 mm diam., dense nigro-brunneo-setosi. Folia alterna, coriacea, elliptica, 4—5 cm longa, 2—2.2 cm lata, apice acuta, basi late cuneata, margine repanda vel superne paucе crenata, utrinque glabra, supra viridia, costa elevata, nervis lateralibus impressis, subtus pallidiora, costa prominente, nervis lateralibus prominulis; petiolus brevissimus, 2.5—3 mm longus, nigro-brunneus. Flores ignoti. Fructus solitarius, axillaris, immaturus turbinatus, c. 4 mm diam.; pedicelli fructiferi 1.2—1.3 cm longi, 1 mm diam., apice expansi, 2.5 mm diam., calycis segmentis persistentibus deltoideis 2.5 mm longis.

Xizang (西藏), Medog (墨脱), Beibeng (背崩区), Xirang ad Deyang (稀让至德阳), alt. 2200 m, 22 Apr. 1983, B. S. Li et S. Z. Cheng (李渤生, 程树志) 04242 (Typus fr., PE).